

Table 2-1
Comprehensive Plan Cost Comparison

	UAO COST ESTIMATE JULY 2012	EXPENDED TO DATE POST SETTLEMENT 04/30/2017	COST TO COMPLETE REMAINING 2017-2021	TOTAL COST AT COMPLETION IN 5 YEARS	TOTAL COST AT COMPLETION WITH CONTINGENCIES	% Contingency	Cost to complete with contingency	NOTES
			Project Complete in 5 Years					
MassDEP Funding		\$ 600,000	\$ 1,000,000	\$ 1,600,000	\$ 1,600,000	0%	\$ 1,000,000	2014-2021 - ETD for 3 years - Needs verification from 3/9/17 meeting - based on EPA comment
USACE Funding		\$ 3,900,000	\$ 8,300,000	\$ 12,200,000	\$ 13,420,000	10%	\$ 9,130,000	Per Corps - \$3.9M (2014-2016), 2.5M (2017-2018) \$1.1M/yr (2019 - 2021)
Pro-Serv Contract (WQM/Monit)		\$ 7,500,000	\$ 12,500,000	\$ 20,000,000	\$ 22,000,000	10%	\$ 13,750,000	assumes \$2.5M/yr - cost provided by Corps
Intertidal	\$ 78,400,763						\$ -	
UH Intertidal		\$ -	\$ 44,611,200	\$ 44,611,200	\$ 53,533,440	20%	\$ 53,533,440	Assume work start in 3/18 and is fully funded and east and west sides wi is simultaneously
Parcel 265		\$ 2,224,499	\$ -	\$ 2,224,499	\$ 2,224,499	0%	\$ -	Not included in UAO estimate
PMC		\$ 6,194,045	\$ 1,131,014	\$ 7,325,060	\$ 7,691,313	5%	\$ 1,187,565	UAO included this with intertidal volume. CTC includes SES, T&D, restoration, demob
LH			\$ 1,622,085	\$ 1,622,085	\$ 2,433,128	50%	\$ 2,433,128	Estimate from Jacobs proposal dated May 17, 2016; added fee in Rev9
BtB		\$ -	\$ 949,770	\$ 949,770	\$ 1,044,747	10%	\$ 1,044,747	
Marsh Island	\$ 3,380,452		\$ 2,302,351	\$ 2,302,351	\$ 2,532,586	10%	\$ 2,532,586	Cost from RAC TO#3 proposal june 2 2017
Aerovox							\$ -	
Aerovox Interim Cap		\$ -	\$ 4,800,000	\$ 4,800,000	\$ 6,240,000	30%	\$ 6,240,000	Assumed 3 ft carbon sand cover (per Corps direction). Temporary solution does not complete final remedy.
Interim Cap LTM			\$ 750,000	\$ 750,000	\$ 900,000	20%	\$ 900,000	Assumed annual benthic and sampling of cover and reporting. No replacement costs.
							\$ -	
Cell 1	\$ 23,958,630						\$ -	
Cell 1 Interim Remedy			\$ 1,000,000	\$ 1,000,000	\$ 1,200,000	20%	\$ 1,200,000	
							\$ -	
Full Demob	\$ 7,977,325	\$ -	\$ 5,785,460	\$ 5,785,460	\$ 7,810,370	35%	\$ 7,810,370	CTC from May 2016 Jacobs proposal. Contingency based upon undefined future status and necessary improvement of Areas C and D.
Dredge & Fill LHCC	\$ 39,838,604			\$ -	\$ -	0%	\$ -	
Construct CAD Cell		\$ 9,563,000	\$ -	\$ 9,563,000	\$ 9,563,000	0%	\$ -	UAO costs for all work related to CAD Cell, less the \$11.3M from EPA HQ (need to verify if paid back)
Dredge and Fill LHCC - Jacobs		\$ 14,624,853	\$ -	\$ 14,624,853	\$ 14,624,853	0%	\$ -	Jacobs LH dredging to date
Pre-BV - UH & LH to LHCC Mechanical - Jacobs		\$ 7,297,742	\$ 1,077,898	\$ 8,375,640	\$ 8,794,422	5%	\$ 1,131,793	Completed
Post BV - UH & LH to LHCC Mechanical - Jacobs			\$ 3,469,400	\$ 3,469,400	\$ 3,816,340	10%	\$ 3,816,340	One plant 120 days (existing UH CTC plus 37C&D, MU25, T&T'), includes current Jacobs costs
Dredge and Fill LHCC - BV		\$ -	\$ 17,000,000	\$ 17,000,000	\$ 18,700,000	10%	\$ 18,700,000	Per USACE Email (3/16/17) changed from \$18M to \$17M. Fixed Cost Contract estimate
Survey Contract - BV		\$ -	\$ 700,000	\$ 700,000	\$ 700,000	0%	\$ 700,000	Per USACE Email (3/16/17) changed from \$800k to \$700k. Based on award to Bryant
Between the Bridges Subtidal		\$ -	\$ 5,378,657	\$ 5,378,657	\$ 5,916,522	10%	\$ 5,916,522	Negotated and Awarded, added fee in Rev9
Dredge Cleanup Passes - Jacobs			\$ 2,508,000	\$ 2,508,000	\$ 2,758,800	10%	\$ 2,758,800	10% cleanup passes, based on BV CTC
Cap LHCC	\$ 5,780,303	\$ -	\$ 5,100,000	\$ 5,100,000	\$ 5,992,500	18%	\$ 5,992,500	Cost estimate from EPA
Hydraulic Dredging	\$ 154,456,091	\$ 49,060,794	\$ -	\$ 49,060,794	\$ 49,060,794	0%	\$ -	2014 through 2016 dredging less \$12M, PMC, Parcel 265 and fixed costs
Temporary Pipeline Relo		\$ -	\$ 1,235,659	\$ 1,235,659	\$ 1,235,659	0%	\$ 1,235,659	Negotated and Awarded
Capping DDA		\$ -	\$ -	\$ -	\$ -	20%	\$ -	Capping of DDA cost estimated from ESD 4
Residual management sand		\$ -	\$ 11,700,000	\$ 11,700,000	\$ 12,870,000	10%	\$ 12,870,000	This is an assumed volume of 100,000 cy, mechanical placement
LTM Restoration			\$ 500,000	\$ 500,000	\$ 550,000	10%	\$ 550,000	Year 1 after restoration and Year 5
LHCC O&M	\$ 580,163	\$ -	\$ 689,052	\$ 689,052	\$ 723,504	5%	\$ 723,504	Cost to Complete is escalated UAO cost (3.5%)
Seafood Monitoring	\$ 721,387	\$ -	\$ 579,290	\$ 579,290	\$ 579,290	0%	\$ 579,290	Costs from MassDEP
Site Wide Benthic LTM	\$ 818,703	\$ 536,021	\$ 550,000	\$ 1,086,021	\$ 1,140,322	5%	\$ 577,500	Cost to Complete is escalated UAO cost (3.5%), assume 1/5yr
Fixed Costs	\$ 54,927,518						\$ -	Jacobs Fixed Costs,
Project Management and Admin		\$ 7,147,180	\$ 12,072,940	\$ 19,220,120	\$ 21,142,132	10%	\$ 13,280,234	
Site Ops and Warehouse		\$ 2,742,568	\$ 4,632,717	\$ 7,375,285	\$ 8,112,813	10%	\$ 5,095,988	
Air Monitoring		\$ 1,043,984	\$ 828,838	\$ 1,872,822	\$ 2,060,105	10%	\$ 911,722	
							\$ -	
SUBTOTAL	\$ 370,839,939	\$ 112,434,687	\$ 152,774,329	\$ 265,209,016	\$ 290,971,139		\$ 175,601,688	Complete all work listed above.